

10652797

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PASSWORD:

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*Efficient  
filing date 3/2000*

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 May 12 EXTEND option available in structure searching  
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in Caplus  
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY  
NEWS 7 Jun 22 STN Patent Forums to be held July 19-22, 2004  
NEWS 8 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT  
NEWS 9 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)  
NEWS 10 Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 17:16:27 ON 26 JUL 2004

=> file regis

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:16:48 ON 26 JUL 2004

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 JUL 2004 HIGHEST RN 716315-35-4  
DICTIONARY FILE UPDATES: 25 JUL 2004 HIGHEST RN 716315-35-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

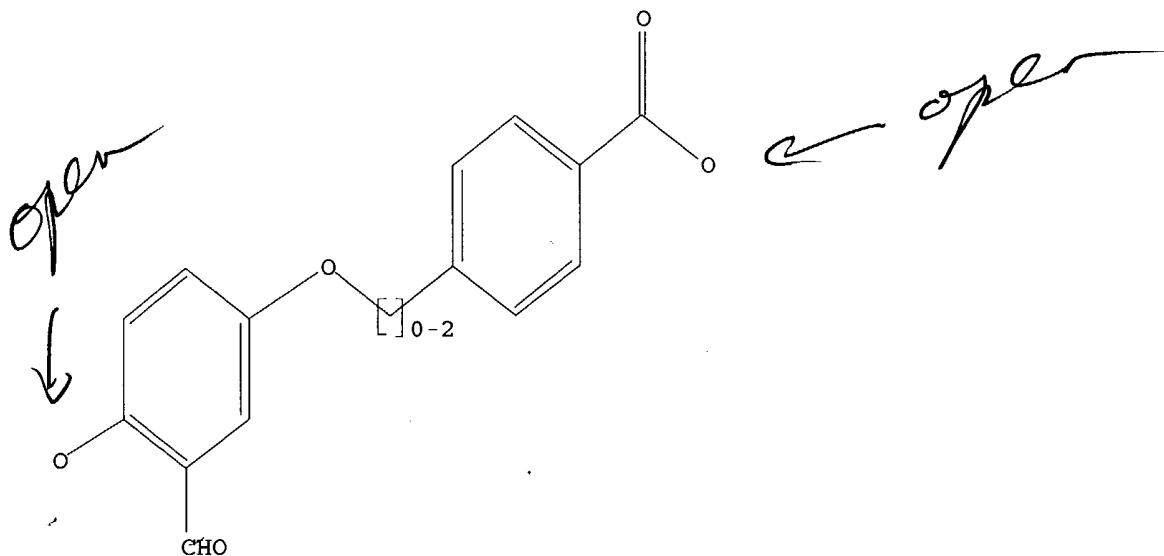
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading C:\STNEXP4\QUERIES\10652797-2.str

L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full  
FULL SEARCH INITIATED 17:17:14 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 39109 TO ITERATE

100.0% PROCESSED 39109 ITERATIONS  
SEARCH TIME: 00.00.01

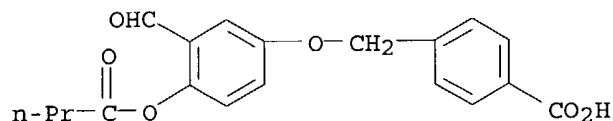
21 ANSWERS

L2 21 SEA SSS FUL L1

=> d 1-21 l2

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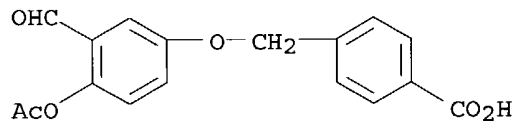
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RN 610772-38-8 REGISTRY  
CN Benzoic acid, 4-[[3-formyl-4-(1-oxobutoxy)phenoxy]methyl]- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Compound B7  
FS 3D CONCORD  
MF C19 H18 O6  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 21 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 610772-36-6 REGISTRY  
CN Benzoic acid, 4-[[4-(acetyloxy)-3-formylphenoxy]methyl]- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Compound B6  
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MF C17 H14 O6  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 21 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 609768-94-7 REGISTRY  
CN  $\beta$ -D-Glucopyranosiduronic acid, 2-formyl-4-[[4-[[[(2R)-2-hydroxy-3-[(1-oxotetradecyl)oxy]propoxy]carbonyl]phenyl]methoxy]phenyl, 2-propenyl ester, 2,3,4-tris(2-propenyl carbonate) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH

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MF C53 H68 O20

SR CA

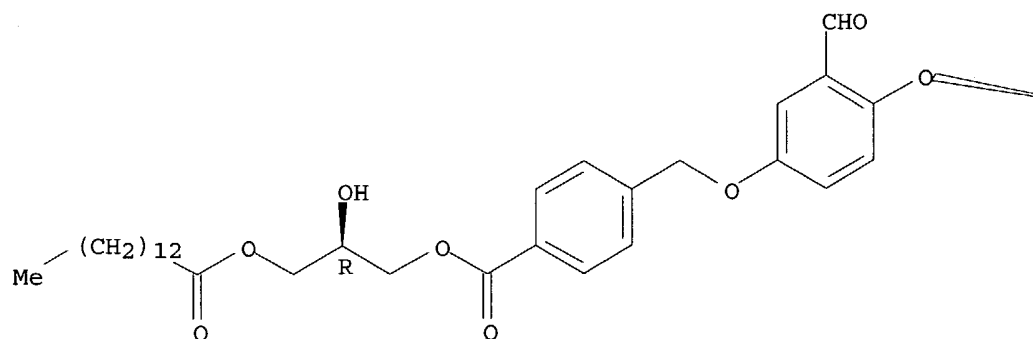
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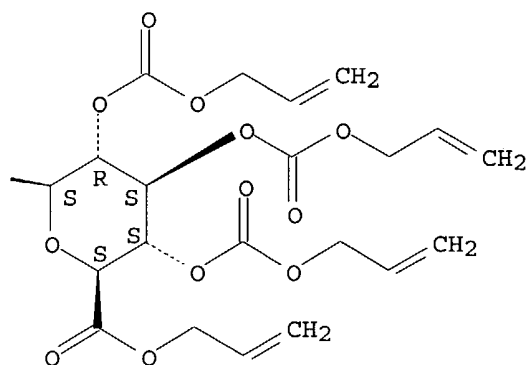
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Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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CN  $\beta$ -D-Glucopyranosiduronic acid, 2-formyl-4-[[4-[[[(2R)-2-hydroxy-3-[(1-oxooctyl)oxy]propoxy]carbonyl]phenyl]methoxy]phenyl, 2-propenyl ester, 2,3,4-tris(2-propenyl carbonate) (9CI) (CA INDEX NAME)

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SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

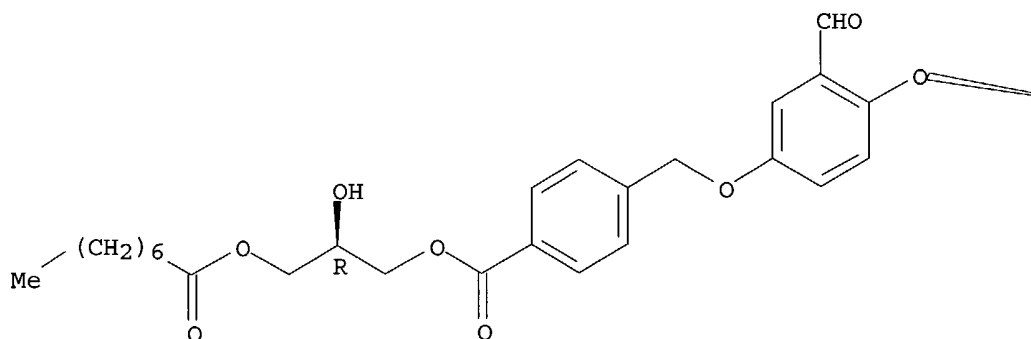
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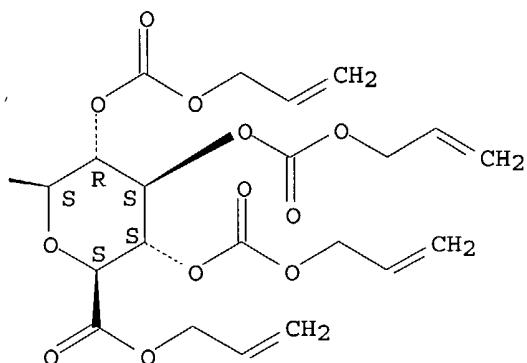
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Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 21 REGISTRY COPYRIGHT 2004 ACS on STN

RN 609768-92-5 REGISTRY

CN  $\beta$ -D-Glucopyranosiduronic acid, 4-[[4-[[[(2R)-3-(acetyloxy)-2-hydroxypropoxy]carbonyl]phenyl]methoxy]-2-formylphenyl, 2-propenyl ester, 2,3,4-tris(2-propenyl carbonate) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C41 H44 O20

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

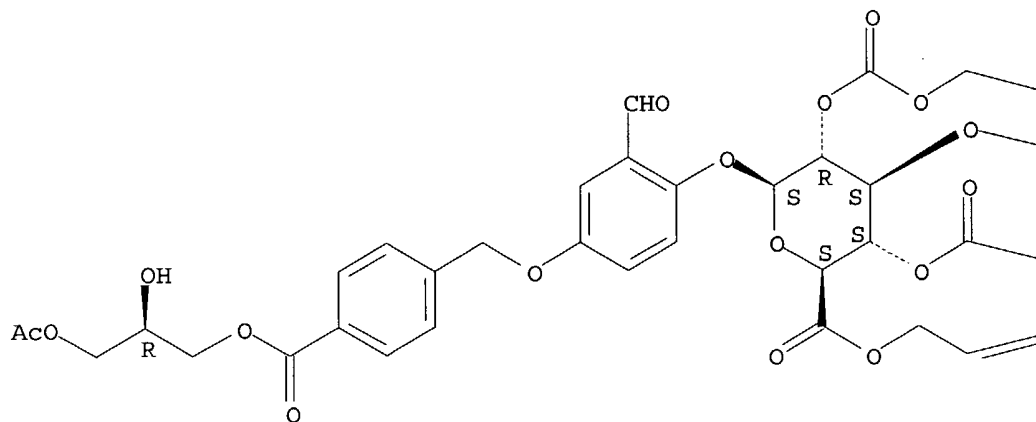
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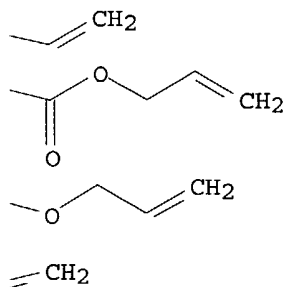
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Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 21 REGISTRY COPYRIGHT 2004 ACS on STN

RN 609768-89-0 REGISTRY

CN  $\beta$ -D-Glucopyranosiduronic acid, 4-[[4-[(1,1-dimethylethoxy)carbonyl]phenyl]methoxy]-2-formylphenyl, 2-propenyl ester, tris(2-propenyl carbonate) (9CI) (CA INDEX NAME)

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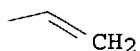
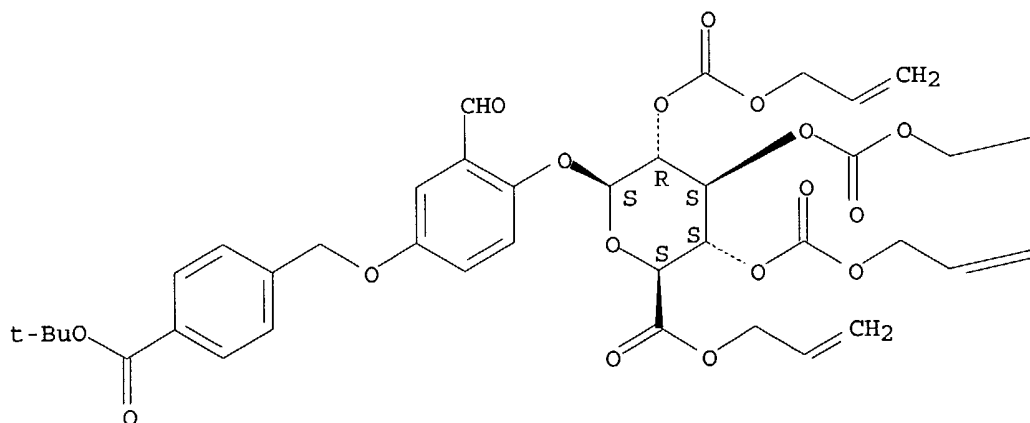
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LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



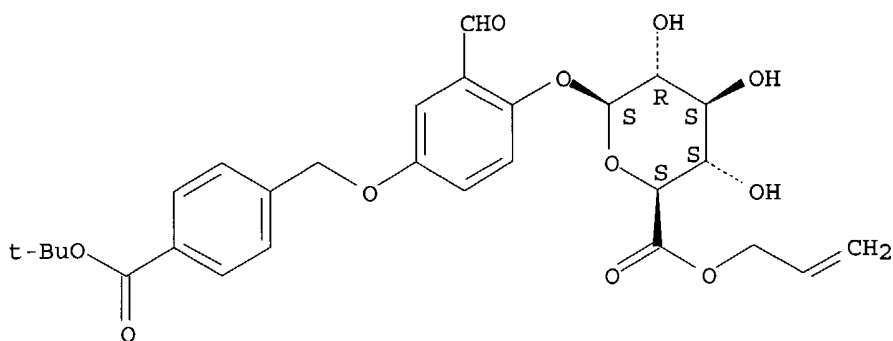
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Absolute stereochemistry.

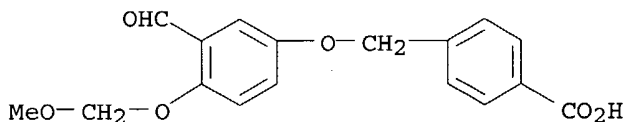
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RN 609768-87-8 REGISTRY  
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MF C17 H16 O6  
SR CA  
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RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



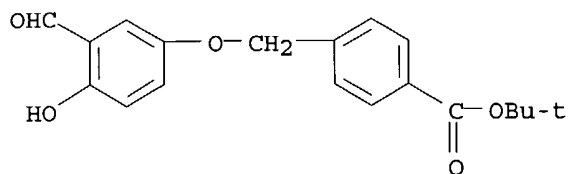
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RN 609768-85-6 REGISTRY  
CN Benzoic acid, 4-[(3-formyl-4-hydroxyphenoxy)methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Isotucaresol tert-butyl ester  
FS 3D CONCORD  
MF C19 H20 O5  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
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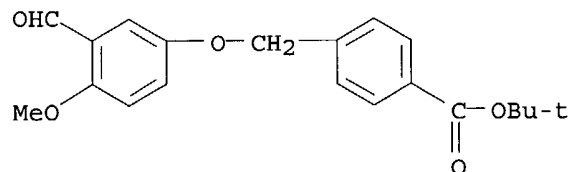
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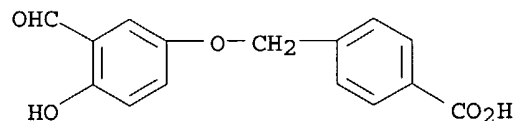
L2 ANSWER 10 OF 21 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 528598-97-2 REGISTRY  
CN Benzoic acid, 4-[(3-formyl-4-methoxyphenoxy)methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C20 H22 O5  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT  
DT.CA Caplus document type: Journal  
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 11 OF 21 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 360078-81-5 REGISTRY  
CN Benzoic acid, 4-[(3-formyl-4-hydroxyphenoxy)methyl]- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Isotucaresol  
FS 3D CONCORD  
MF C15 H12 O5  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL  
DT.CA Caplus document type: Patent  
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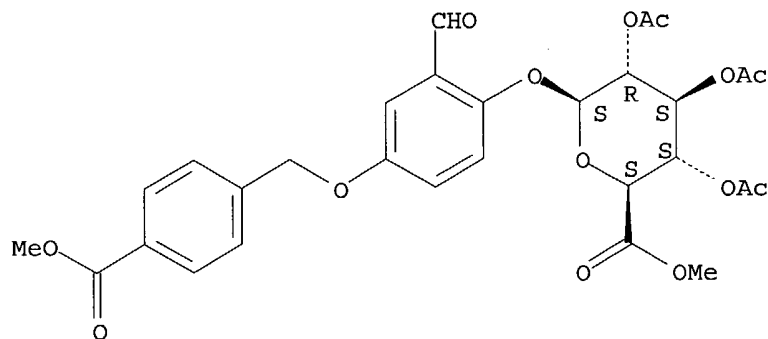
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(CA INDEX NAME)  
FS STEREOSEARCH  
MF C29 H30 O14  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



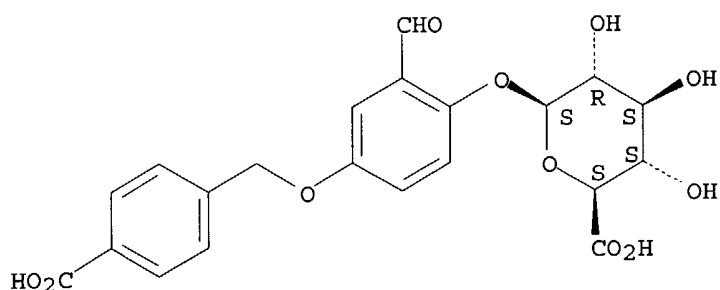
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LC STN Files: CA, CAPLUS, USPAT2, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.

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RN 360078-78-0 REGISTRY

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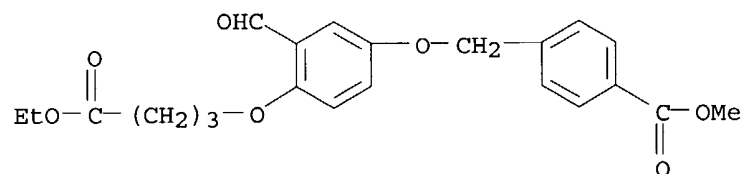
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LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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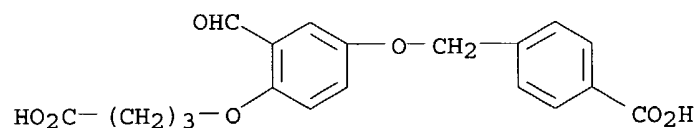
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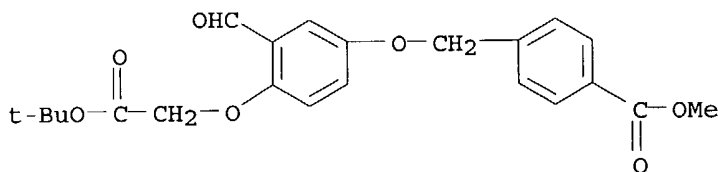


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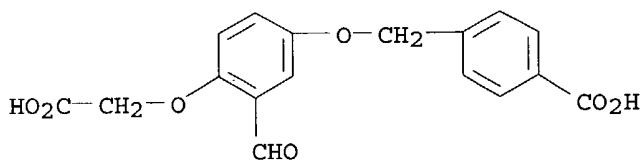
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MF C22 H24 O7  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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RN 360078-75-7 REGISTRY  
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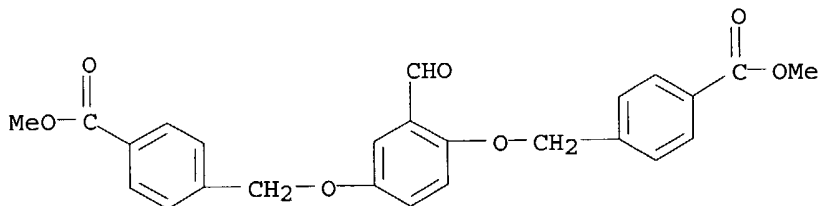
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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RN 360078-74-6 REGISTRY  
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dimethyl ester (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
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SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: RACT (Reactant or reagent)



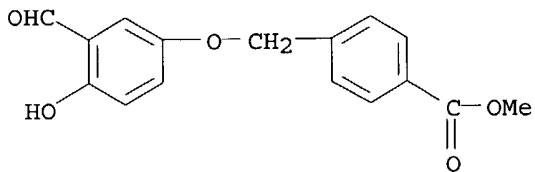
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RN 360078-73-5 REGISTRY  
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(CA INDEX NAME)

OTHER NAMES:

CN Compound B5  
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FS 3D CONCORD  
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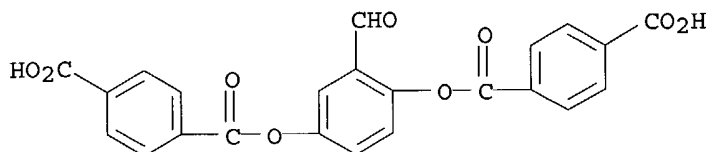
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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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FS 3D CONCORD  
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SR CA  
LC STN Files: CA, CAPLUS

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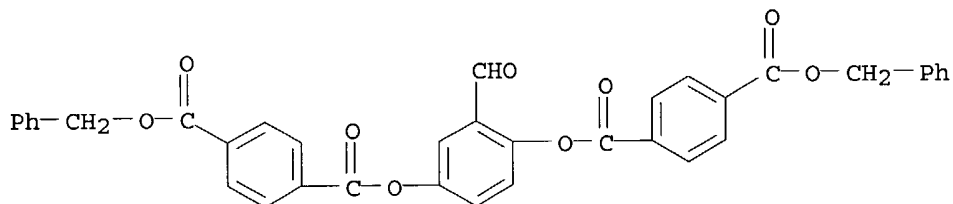
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RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); RACT  
(Reactant or reagent)



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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CN 1,4-Benzenedicarboxylic acid, 2-formyl-1,4-phenylene bis(phenylmethyl)  
ester (9CI) (CA INDEX NAME)  
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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

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=> s l2 full 4 L2

=> d 1-4 bib abs l3

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:796107 CAPLUS  
DN 139:312412  
TI Immunostimulant compositions comprising aminoalkyl glucosaminide phosphates and saponins  
IN Mossman, Sally; Evans, Lawrence; Baldrige, Jory R.; Evans, Jay T.  
PA Corixa Corporation, USA  
SO U.S. Pat. Appl. Publ., 43 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003190333	A1	20031009	US 2002-68171	20020204
	WO 2003069997	A1	20030828	WO 2002-US3313	20020204
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003147920	A1	20030807	US 2002-177115	20020621
PRAI	US 2002-68171	A	20020204		

OS MARPAT 139:312412

AB The invention provides pharmaceutical compns., particularly vaccine compns., employing an adjuvant system comprising at least one aminoalkyl glucosaminide phosphate compound and at least 1 saponin. Such compns. synergistically enhance the immune response in a mammal to a co-administered antigen. Also provided are methods of using the compns. in the treatment of various human diseases, including cancer, microbial infections and autoimmune disorders. Three isotucarecol derivs., isotucarecol Me ester (Compound B5), O-carboxymethyl isotucarecol (Compound B6), and O-carboxypropyl isotucarecol (Compound B7) were evaluated at 1000, 500 and 250 µg/mouse in order to find optimal doses. The antibody titers and CTL assays were carried out. Addnl., compound B19 was combined with 500 µg of the isotucarecol derivs. to determine if any synergy resulted from the mixts. Similar to isotucarecol itself, the 3 derivs. all induced humoral responses characteristic of TH-2 cytokine help resulting in greater enhancement of the IgG1 isotype. Overall the lower adjuvant doses

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(250 µg/mouse) stimulated the strongest antibody responses and of the 3 adjuvants, isotucarecol Me ester (B5) induced the highest titers of the 3 compds.

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:235700 CAPLUS

DN 138:381266

TI Further Studies on 2,4-Diamino-5-(2',5'-disubstituted benzyl)pyrimidines as Potent and Selective Inhibitors of Dihydrofolate Reductases from Three Major Opportunistic Pathogens of AIDS

AU Rosowsky, Andre; Forsch, Ronald A.; Queener, Sherry F.

CS Dana-Farber Cancer Institute and Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, Boston, MA, 02115, USA

SO Journal of Medicinal Chemistry (2003), 46(9), 1726-1736

CODEN: JMCMAR; ISSN: 0022-2623

PB American Chemical Society

DT Journal

LA English

OS CASREACT 138:381266

AB As part of an ongoing effort to discover novel small-mol. antifolates combining the enzyme-binding species selectivity of trimethoprim (TMP) with the potency of piritrexim (PTX), 10 previously unreported 2,4-diamino-5-(2'-methoxy-5'-substituted)benzylpyrimidines (2-11) containing a carboxyl group at the distal end of the 5'-substituent were synthesized and tested as inhibitors of dihydrofolate reductase (DHFR) from *Pneumocystis carinii* (Pc), *Toxoplasma gondii* (Tg), and *Mycobacterium avium* (Ma), three of the opportunistic pathogens frequently responsible for life-threatening illness in people with impaired immune systems as a result of HIV infection or immunosuppressive chemotherapy. The selectivity index of DHFR inhibition was evaluated by comparing the potency of each compound against the parasite enzymes with its potency against rat liver DHFR. 2,4-Diamino-5-[5'-(5-carboxy-1-pentynyl)-2'-methoxybenzyl]pyrimidine (3) inhibited Pc DHFR with a selectivity index of 79 and was 430 times more potent than TMP. 2,4-Diamino-5-[5'-(4-carboxy-1-butynyl)-2'-methoxybenzyl]pyrimidine (2), with one less carbon than 3 in the side chain, had a selectivity index of 910 against Ma DHFR and was 43 times more potent than TMP. 2,4-Diamino-5-[5'-(5-carboxypentyl)-2'-methoxybenzyl]pyrimidine (6) had a selectivity index of 490 against Tg DHFR and was 320 times more potent than TMP. 2,4-Diamino-5-[5'-(6-carboxy-1-hexynyl)-2'-methoxybenzyl]pyrimidine (4), with one more carbon than 3, was less potent against all three of the parasite enzymes than either 3 or 6 and also had a lower selectivity index than 3 against the Pc enzyme. However, 4 was the only member of the series with a selectivity index of >300 against both Tg and Ma DHFR. Given that PTX is at least 10 times more potent against rat DHFR than against *P. carinii* or *T. gondii* DHFR and that the selectivity index of several of the compds. matches or exceeds that of TMP as well as PTX, our results suggest that it may be possible to develop clin. useful nonclassical antifolates that are both potent and selective against the major opportunistic pathogens of AIDS.

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:713284 CAPLUS

DN 135:242458

TI Preparation of amphipathic aldehyde glucuronides and their use as adjuvants and immunoeffectors

IN Johnson, David

PA Corixa Corporation, USA

SO PCT Int. Appl., 72 pp.

CODEN: PIXXD2

DT Patent

NP Ad

← Same Appl

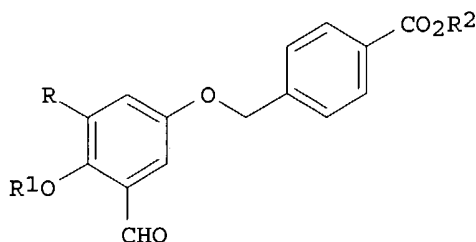


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LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001070663	A2	20010927	WO 2001-US8548	20010316
	WO 2001070663	A3	20020516		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 2001053363	A1	20011220	US 2001-810915	20010316
	US 6649172	B2	20031118		
	EP 1265840	A2	20021218	EP 2001-918784	20010316
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	JP 2003528068	T2	20030924	JP 2001-568876	20010316
	US 2004063647	A1	20040401	US 2003-652797	20030828
PRAI	US 2000-190466P	P	20000317		
	US 2001-810915	A1	20010316		
	WO 2001-US8548	W	20010316		
OS	MARPAT 135:242458				
GI					



I

AB This invention relates to the preparation of aromatic aldehyde containing compds. I

wherein R is H, CHO; R1 is H, alkyl, saccharyl, acyl, CO2H; R2 is H, alkyl, substituted alkyl, and their uses as adjuvants and immunoeffectors. Thus, 4-[(3-formyl-4-hydroxyphenoxy)methyl]benzoic acid was prepared and tested in mice for its adjuvant activity.

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1995:1004271 CAPLUS  
DN 124:57515  
TI Synthesis of mesogenic polyesters with 2-dichloromethylhydroquinone moieties  
AU Zhou, Qifeng; Guo, Ailan  
CS Department Chemistry, Peking University, Beijing, 100871, Peop. Rep. China  
SO Chinese Journal of Polymer Science (1995), 13(3), 285-8  
CODEN: CJPSEG; ISSN: 0256-7679  
PB Science Press  
DT Journal  
LA English  
AB A series of novel mesogenic polyesters with 2-dichloromethylhydroquinone moieties were synthesized by polycondensation of the novel diacyl chloride

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monomer 2-dichloromethyl-1,4-bis(4'-chloroformylbenzoyl)oxybenzene (I) with  $\alpha$ ,  $\omega$ -polymethylenediols including ethylene glycol, 1,4-butanediol, 1,6-hexanediol and 1,10-decanediol. The diacyl chloride monomer was synthesized by simultaneous transformations of both the carboxy and formaldehyde groups of 2-formyl-1, 4-bis (4'-carboxybenzoyl)oxybenzene into acyl chloride and dichloromethyl groups resp. The syntheses of the monomer (I) and the polymers were reported.